

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001124615 A**(43) Date of publication of application: **11.05.01**(51) Int. Cl. **G01F 23/38**(21) Application number: **11305823**(22) Date of filing: **27.10.99**(71) Applicant: **YAZAKI CORP**(72) Inventor: **TAMURA SHINICHI
ASAMI TAKASHI
HIROTA MASAKI**(54) **LIQUID LEVEL SENSOR**

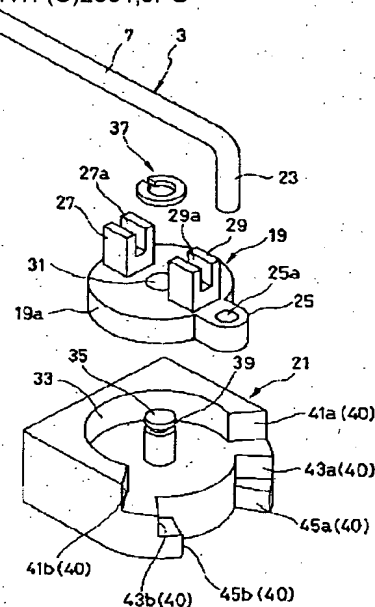
(57) Abstract:

PROBLEM TO BE SOLVED: To cope with variations of the range of arm deflection angle with one kind of sensor.

SOLUTION: This liquid level sensor is equipped with a float arm 3 and stoppers 40. The arm 3, having a float on one end, with the other end supported in an upward/downward rotatable manner on a rotary support part rotates upward/downward in compliance with vertical motion of the float following the rise/fall of a liquid level. The stoppers 40 regulate the range of upward/downward rotation of the arm 3 according to a specific amount of liquid. This level sensor is characterized in that the support part is formed as an arm holder 19 supported in an upward/downward rotatable manner on a sensor frame 21 and capable of supporting the arm 3, that a stopper engagement part 23 having a selectively variable length is provided on the other end of the arm 3, and that the stoppers 40 are each formed to have a plurality of

steps having different regulation zones according to the length of the engagement part 23.

COPYRIGHT: (C)2001,JPO



This page blank (uspio)